

## Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 09.22.2016

### ENVIROTEMP™ FR3™ FLUID BULK

#### 1 Identification of the substance/mixture and of the company/undertaking



##### 1.1 Product identifier

**Material Name:** ENVIROTEMP™ FR3™ FLUID BULK

**Product code:** 100088941

**1.2 Relevant identified uses of the substance or mixture and uses advised against:** Dielectric fluid

##### 1.3 Details of the manufacturer/supplier of the safety data sheet

**Manufacturer:**

Cargill, Incorporated  
Cargill Industrial Specialties  
13400 15th Avenue North  
Plymouth, MN 55441  
1-800-842-3631, 1-952-984-9122  
CIS\_CustomerService@Cargill.com

**Emergency telephone number:**

**ChemTel Inc**

North America: 1-800-255-3924  
International: 01-813-248-0585

#### 2 Hazards identification

##### 2.1 Classification of the substance or mixture:

In compliance with EC regulation No. 1272/2008, 29CFR1910/1200 and GHS Rev. 3 and amendments. The substance is not classified as hazardous according to the Globally Harmonized System (GHS).

**Hazard-determining components of labeling:** None.

##### 2.2 Label elements

**Hazard pictograms:** None

**Signal word:** None

**Hazard statements:**

None

**Precautionary statements:**

None

##### 2.3 Other hazards: None known

**Information concerning particular hazards for humans and environment:**

The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

**Classification system:**

The classification is according to EC regulation No. 1272/2008, 29CFR1910/1200 and GHS Rev. 3 and amendments, and extended by company and literature data. The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

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#### 3 Composition/information on ingredients

**3.1 Chemical characterization:** Mixture.

**3.2 Description:** None

**3.3 Hazardous components (percentages by weight)**

Identification	Name	Classification	Wt. %
<b>CAS number:</b> 8001-22-7	Soybean Oil		>99

**3.4 Additional information:** None.

#### 4 First aid measures

**4.1 Description of first aid measures**

**General information:**

First responders should wear gloves and other self-protection when performing treatment.

**After inhalation:**

Get medical advice if you feel unwell.

If inhaled, remove to fresh air.

**After skin contact:**

Wash with plenty of water / soap and rinse thoroughly.

Get medical advice if skin irritation occurs or you feel unwell.

**After eye contact:**

Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

Get medical advice/attention.

**After swallowing:**

Rinse mouth and do not induce vomiting.

Get medical advice if you feel unwell or concerned.

**4.2 Most important symptoms and effects, both acute and delayed:**

None

**4.3 Indication of any immediate medical attention and special treatment needed:**

No additional information.

#### 5 Firefighting measures

**5.1 Extinguishing media**

**Suitable extinguishing media:**

Use Water (fog only), dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam.

**Unsuitable extinguishing media:**

Do not use water as an extinguisher.

**5.2 Special hazards arising from the substance or mixture:**

Thermal decomposition can lead to release of irritating gases and vapors.

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#### 5.3 Advice for firefighters

##### Protective equipment:

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit.

#### 5.4 Additional information: None

### 6 Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures:

Wear recommended personal protective equipment.

Ensure adequate ventilation.

Ensure air handling systems are operational.

#### 6.2 Environmental precautions:

Should not be released into the environment.

Prevent from reaching drains, sewer or waterway.

#### 6.3 Methods and material for containment and cleaning up:

Wear protective eye wear, gloves and clothing.

Absorb with non-combustible liquid-binding material (sand, diatomaceous earth (clay), acid binders, universal binders).

Dispose of contents / container in accordance with local regulations.

#### 6.4 Reference to other sections: None

### 7 Handling and storage

#### 7.1 Precautions for safe handling:

Use appropriate personal protective equipment (see Section 8).

Use only with adequate ventilation.

Avoid breathing mist or vapor.

Do not eat, drink, smoke or use personal products when handling chemical substances.

Wash thoroughly after handling.

#### 7.2 Conditions for safe storage, including any incompatibilities:

Store in a cool, well-ventilated area.

Protect from freezing and physical damage.

Keep container tightly sealed.

#### 7.3 Specific end use(s): No additional information.

### 8 Exposure controls/personal protection

#### 8.1 Control parameters:

#### 8.2 Exposure controls

##### Appropriate engineering controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use

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or handling.

#### Respiratory protection:

Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines.

If there are no applicable exposure limit requirements or guidelines, use a NIOSH-approved respirator.

#### Protection of skin:

Select glove material impermeable and resistant to the substance.

#### Eye protection:

Safety goggles or glasses, or appropriate eye protection.

#### General hygienic measures:

Wash hands before breaks and at the end of work.

Avoid contact with skin, eyes and clothing.

Wash contaminated clothing before reusing.

### 9 Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

<b>Appearance (physical state, color):</b>	Light green liquid	<b>Explosion limit lower:</b> <b>Explosion limit upper:</b>	Not determined or not available. Not determined or not available.
<b>Odor:</b>	Slight	<b>Vapor pressure:</b>	< 1.3 Pa (<0.01 mmHg)
<b>Odor threshold:</b>	Not determined or not available.	<b>Vapor density:</b>	Not determined or not available.
<b>pH-value:</b>	Not determined or not available.	<b>Relative density:</b>	Not determined or not available.
<b>Melting/Freezing point:</b>	Not determined or not available.	<b>Solubilities:</b>	Insoluble.
<b>Boiling point/range:</b>	>360°C (>680°F)	<b>Partition coefficient (n-octanol/water):</b>	Not determined or not available.
<b>Flash point (closed cup):</b>	>= 310°C (Open Cup); >= 250°C (Closed Cup)	<b>Auto/Self-ignition temperature:</b>	401-404°C (ASTM E659)
<b>Evaporation rate:</b>	Not determined or not available.	<b>Decomposition temperature:</b>	Not determined or not available.
<b>Flammability (solid, gaseous):</b>	Not determined or not available.	<b>Dynamic viscosity:</b>	Not determined or not available.
<b>Density:</b>	0.92 gm/cm <sup>3</sup> (7.677 lb/gal)	<b>Kinematic viscosity:</b>	33-35 mm <sup>2</sup> /s

### 10 Stability and reactivity

**10.1 Reactivity:** Does not react under normal conditions of use and storage.

**10.2 Chemical stability:** Stable under normal conditions of use and storage.

**10.3 Possibility of hazardous reactions:** None under normal conditions of use and storage.

**10.4 Conditions to avoid:** None known.

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#### 10.5 Incompatible materials:

Strong oxidizing agents.

#### 10.6 Hazardous decomposition products:

Carbon monoxide, carbon dioxide.

### 11 Toxicological information

#### 11.1 Information on toxicological effects:

**Routes of exposure:** No information available.

**Acute toxicity:**

**Skin corrosion/irritation:** No additional information.

**Serious eye damage/irritation:** No additional information.

**Respiratory or skin sensitization:** No additional information.

**Carcinogenicity:**

**IARC (International Agency for Research on Cancer):** None of the ingredients are listed.

**NTP (National Toxicology Program):** None of the ingredients are listed.

**Germ cell mutagenicity:** No additional information.

**Reproductive Toxicity:** No additional information.

**STOT-single and repeated exposure:** No additional information.

**Aspiration toxicity:** No information available.

**Additional toxicological information:**

No additional information.

### 12 Ecological information

**12.1 Toxicity:** No additional information.

**12.2 Persistence and degradability:**

No additional information.

**12.3 Bioaccumulative potential:**

No additional information.

**12.4 Mobility in soil:**

No additional information.

**General notes:**

No additional information.

**12.5 Results of PBT and vPvB assessment:**

**PBT:** No additional information.

**vPvB:** No additional information.

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#### 12.6 Other adverse effects:

No additional information.

### 13 Disposal considerations

#### 13.1 Waste treatment methods

##### Relevant information:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory agencies.

### 14 Transport information

#### Land transport:

##### DOT (49 CFR) transport

<b>14.1 UN Number:</b>	Not Regulated
<b>14.2 UN Proper shipping name:</b>	Not Regulated
<b>14.3 UN Transport hazard classes:</b>	
<b>14.4 Packing group:</b>	Not Regulated
<b>Danger label:</b>	
<b>14.5 Environmental hazards:</b>	No
<b>14.6 Special precautions for user:</b>	None

##### ADR/RID

<b>14.1 UN Number:</b>	Not Regulated
<b>14.2 UN Proper shipping name:</b>	Not Regulated
<b>14.3 UN Transport hazard classes:</b>	
<b>14.4 Packing group:</b>	Not Regulated
<b>Danger label:</b>	
<b>Tunnel restriction code:</b>	None
<b>Transport category:</b>	None
<b>Hazard ID number:</b>	None
<b>14.5 Environmental hazards:</b>	No
<b>14.6 Special precautions for user:</b>	None

#### Air transport:

##### IATA-DGR

<b>14.1 UN Number:</b>	
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	Not Regulated
<b>14.2 UN Proper shipping name:</b>	Not Regulated
<b>14.3 UN Transport hazard classes:</b>	
<b>14.4 Packing group:</b> <b>Danger label:</b>	Not Regulated
<b>14.5 Environmental hazards:</b>	No
<b>14.6 Special precautions for user:</b>  None	

#### Sea transport: IMDG

<b>14.1 UN Number:</b>	Not Regulated
<b>14.2 UN Proper shipping name:</b>	Not Regulated
<b>14.3 UN Transport hazard classes:</b>	
<b>14.4 Packing group:</b> <b>Danger label:</b> <b>EMS code:</b>	Not Regulated None
<b>14.5 Environmental hazards:</b>	No
<b>14.6 Special precautions for user:</b>  None	
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:</b>	Not applicable

### 15 Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.

##### North American

**SARA Section 311/312 (Specific toxic chemical listings):** Not classified.

**SARA Section 302 (Extremely hazardous substances):** None of the ingredients are listed.

**SARA Section 313 (Specific toxic chemical listings):** None of the ingredients are listed.

**TSCA (Toxic Substances Control Act):**

All ingredients are listed.

**TSCA Rules and Orders:** Not applicable.

**Proposition 65 (California):**

**Chemicals known to cause cancer:** None of the ingredients are listed.

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**Chemicals known to cause reproductive toxicity for females:** None of the ingredients are listed.

**Chemicals known to cause reproductive toxicity for males:** None of the ingredients are listed.

**Chemicals known to cause developmental toxicity:** None of the ingredients are listed.

#### Canada

**Canadian Domestic Substances List (DSL):**

All ingredients are listed.

#### European Union

**REACH Article 57 (SVHC):** None of the ingredients are listed.

**Germany MAK:** Not classified.

#### Australia

**Australian Inventory of Chemical Substances (AICS):**

One or more ingredients are not listed.

#### China

**Inventory of Existing Chemical Substances in China (IECSC):**

All ingredients are listed.

#### Japan

**Inventory of Existing and New Chemical Substances (ENCS):**

All ingredients are listed.

#### Korea

**Existing Chemicals List (ECL):**

All ingredients are listed.

#### New Zealand

**New Zealand Inventory of Chemicals (NZOIC):**

All ingredients are listed.

#### Philippines

**Philippine Inventory of Chemicals and Chemical Substances (PICCS):**

All ingredients are listed.

#### Taiwan

**Taiwan Chemical Substance Inventory (TSCI):**

All ingredients are listed.

### 16 Other information

**Abbreviations and Acronyms:** None

**Manufacturer Statement:**

This product has been classified in accordance within GHS guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

**NFPA:** 0-1-0

**HMIS:** 0-1-0